ZONAL WINDS IN THE VENUS ATMOSPHERE A.J. Kliore., (Jet Propulsion Laboratory, California Institute of Technology, Pasadena, CA 91109, USA)

The global temperature field of Venus has been surveyed over a wide range of solar activity by both the US Pioneer Venus orbiter and the Russian Venera spacecraft. By applying the thermal wind equation to the latitudinal temperature gradients determined from the temperature field, it is possible to determine the magnitude of the zonal winds at altitudes probed by radio occultations and infrared soundings for various times in the solar cycle and for both the Northern and Southern hemispheres.

33rd COSPAR Scientific Assembly
Warsaw, Poland, July 16-23, 2000

1. Session : C3.1 Planetary Atmospheres

Convener: Dmitri Titov <titov@linmpi.mmg.de>

3. Status: Contributed (Solicited)

4. Contact: A.J. Kliore, Jet Propulsion laboratory, California Institute of Technology
4800 Oak Grove Drive, MS 161-260
Pasadena, CA 91109, USA
Tel.: (818) 354-6164
Fax: (818) 393-4643
e-mail: akliore@jpl.nasa.gov